

EAST SEARCH

7/2/04

L#	Hits	Search String	Databases
L1	4	20020082779 or "20020155162"	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB
L2	283	model with bone with (structur\$2 or mechanics\$2 or macrostructur\$2 or hierarchical)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB
L3	78	2 and ((structur\$2 or mechanics\$2 or macrostructur\$2 or hierarchical) with proprot\$3)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB
L4	10	2 and (bone with (external near2 force\$1))	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB
L5	14	2 and (predict\$3 with bone with (deform\$5 or fracture\$1))	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB
L6	69	2 and (bone with (reconstruct\$3 or prosthesis))	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB
L7	15	(model with bone) and (bone with (external near2 force\$1))	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB
L8	1025	(model with bone) and (tension or compression or shear or bending or torsion or prestress or pinching or (cement near2 slippage))	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB
L9	121	2 and (tension or compression or shear or bending or torsion or prestress or pinching or (cement near2 slippage))	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB
L10	6	model with bone with (viscoelastic or osteon)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB
L11	83	bone with (osteon)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB
L12	87	bone with (viscoelastic)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB
L13	38	2 and (bone with (compact or cancellous))	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB
L16	155	10 or 11 or 12 or 15	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB
L17	133	16 and (viscoelastic or mechanical)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB
L18	78	17 and (collagen or mucopolysaccharide or hydroxyapatite or (bundle near2 orientation) or (o	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB
L19	29	17 and (angle-of-twist or (angle near2 twist) or torque or (strain near2 rate))	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB
L20	3	17 and (angle-of-twist with torque with (strain near2 rate))	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB
L21	3	17 and (angle-of-twist with torque with (hydroxyapatite))	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB
L22	16	17 and (osteon with (collagen or mucopolysaccharide))	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB
L23	4	17 and (osteon with (((internal or external) with diameter) or height or length))	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB
L24	15	17 and ("finite element")	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB
L25	8	17 and (predict\$3 with bone with (deform\$5 or fracture\$1))	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB
L26	4	17 and (simulat\$3 with fracture\$1 with (stress or torque))	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB
L27	54	17 and (bone with (reconstruct\$3 or prosthesis))	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB
L28	2	17 and (angle-of-twist with (quasi-static near2 torsion\$2))	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB
L29	5	17 and (collagen with direction)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB
L30	10	17 and ("light microscopy" or "onfocal microscopy" or "x-ray diffraction")	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB
L31	10	17 and ((secondary or alternate or longitudinal) with osteon)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB
L32	3	17 and ((porosity near2 fluid\$1))	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB
L33	2	17 and (Rangood near2 Osgood)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB
L34	4	17 and (osteon with (alternate or longitudinal) with laminae)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB
L35	4	17 and (simulat\$3 with fracture\$1 with ((stress) or torque))	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB
L36	18	17 and (hydrolysis or hydroxyproline or hexosamine)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB
L37	100	(bone with (osteon or viscoelastic)) and (viscoelastic or mechanical) and ((model with (viscoe	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB

L14	185	(2 and (((structur\$2 or mechanic\$2 or macrostructur\$2 or hierarchical) with proper\$t\$3) or (bor USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB
L15	12	osteon with (secondary or alternate or longitudinal)
L38	21	model with bone with (microstructur\$2 or macrostructur\$2 or hierarchical)

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10/066293 Maria-Grazia Ascenzi

EAST SEARCH

7/12/04

Results of search set L38:

(bone with (osteon or viscoelastic)) and (viscoelastic or mechanical) and ((model with (viscoelastic or osteon)) or (osteon with (secondary or alternate or longitudinal)) or (collagen or mucopolysaccharide or hydroxyapatite or (bundle near2 orientat) or (osteon near2 axis) or osteocyte or osteoblast or (porosity near2 fluid\$1)) or (angle-of-twist or (angle near2 twist) or torque or (strain near2 rate)) or (Ramgood near2 Osgood) or (angle-of-twist with torque with (strain near2 rate)) or (angle-of-twist with torque with (hydroxyapatite)) or (osteon with (collagen or mucopolysaccharide)) or (osteon with (((internal or external) with diameter) or height)) or (osteon with (alternate or longitudinal) with laminae) or ("finite element") or (predict\$3 with bone with (deform\$5 or fracture\$1)) or (simulat\$3 with fracture\$1 with ((stress near2 distribution) or torque)) or (bone with (reconstruct\$3 or prosthesis)) or (angle-of-twist with torque with (quasi-static near2 torsion\$2)) or (hydrolysis or hydroxyproline or hexosamine) or ((collagen near2 bundle) with direction) or ("light microscopy" or "onfocal mic

DocumentKind	Code	Title	Issue Date	Current OR	Abstract
US	20040091459 A1	Bone graft material incorporating demineralized bone matrix and lipids	20040513	424/93.7	
US	20040082998 A1	Artificial pyramid	20040429	623/17.11	
US	20040078087 A1	Porous hydroxy apatite containing silicon and magnesium, and a preparation method thereof	20040422	623/23.56	
US	20040068226 A1	Osteodwelling catheter	20040408	604/101.01	
US	20040062786 A1	Method and system for modelling bone structure	20040401	424/423	
US	20040059328 A1	Bone-treatment instrument and method	20040325	606/41	
US	20040054372 A1	Biodegradable composites	20040318	606/77	
US	20040033950 A1	Method of increasing bone toughness and stiffness and reducing fractures	20040219	514/12	
US	20040019132 A1	Bone graft substitutes	20040129	523/115	
US	20040005297 A1	Biological scaffold	20040108	424/93.7	
US	20040002770 A1	Polymer-bioceramic composite for orthopaedic applications and method of manufacture there	20040101	623/23.51	
US	20030232071 A1	Biomimetic organic/inorganic composites, processes for their production, and methods of use	20031218	424/443	
US	20030217415 A1	Plasticized bone grafts and methods of making and using same	20031127	8/94.11	
US	20030216899 A1	Multidirectional morphology and mechanics of osteonic lamellae	20031120	703/11	
US	20030204204 A1	Method of securing body tissue	20031030	606/232	
US	20030175251 A1	Method for achieving tissue changes in bone or bone-derived tissue	20030918	424/93.7	
US	20030144743 A1	Osteoimplant and method for making same	20030731	623/23.63	
US	20030135284 A1	Plasticized bone grafts and methods of making and using same	20030717	623/23.61	
US	20030112921 A1	Methods and devices for analysis of x-ray images	20030619	378/54	
US	20030083752 A1	Plasticized bone and soft tissue grafts and methods of making and using same	20030501	623/23.63	

US 20030078669 A1	Compliant tibial tray assembly	20030424 623/20.32
US 20030074172 A1	Method and apparatus for a head injury simulation system	20030417 703/11
US 20030074081 A1	Non-uniform porosity tissue implant	20030417 623/23.5
US 20030065399 A1	Biaxial core compression	20030403 623/23.11
US 20030055431 A1	Bone cutting assembly	20030320 606/80
US 20030055316 A1	Endoscopic bone debondment	20030320 600/114
US 20030032586 A1	COMPOSITIONS FOR MORPHOGEN-INDUCED OSTEOGENESIS	20030213 514/12
US 20020177785 A1	Tissue collection apparatus	20021128 600/562
US 20020165616 A1	Resorbable bone replacement and bone formation material	20021107 623/23.56
US 20020161300 A1	Ultrasound measurement techniques for bone analysis	20021031 600/449
US 20020160032 A1	Manufacture of bone graft substitutes	20021031 424/423
US 20020155162 A1	Modeling viscoelastic torsional properties of osteons	20021024 424/549
US 20020151978 A1	Skeletal implant	20021017 623/17.12
US 20020133148 A1	Bone-treatment instrument and method	20020919 606/34
US 20020120345 A1	Plasticized soft tissue grafts, and methods of making and using same	20020829 623/23.61
US 20020082779 A1	System and method for modeling bone structure	20020627 702/19
US 20020062154 A1	Non-uniform porosity tissue implant	20020523 623/23.76
US 20020022846 A1	Method for fusing bone during endoscopy procedures	20020221 606/86
US 20010041916 A1	Method of securing body tissue	20011115 606/232
US 20010034556 A1	Plasticized bone grafts, and methods of making and using same	20011025 623/23.63
US 20010027278 A1	Ultrasonic and growth factor bone-therapy: apparatus and method	20011004 601/2
US 20010007957 A1	Method and apparatus for segmental bone replacement	20010712 623/23.17
US 6712855 B2	Compliant tibial tray assembly	20040330 623/20.34
US 6692532 B1	Bone repair composite material	20040217 623/23.51
US 6656184 B1	Bone screw with helical spring	20031202 606/73
US 6652818 B1	Implant sterilization apparatus	20031125 422/295
US 6652473 B2	Ultrasonic and growth factor bone-therapy: apparatus and method	20031125 601/1
US 6635073 B2	Method of securing body tissue	20031021 606/232
US 6630153 B2	Manufacture of bone graft substitutes	20031007 424/422
US 6622731 B2	Bone-treatment instrument and method	20030923 128/898
US 6613278 B1	Tissue pooling process	20030902 422/33
US 6613088 B1	Coated ophthalmic and implantable devices and methods for producing same	20030902 623/6.62
US 6607561 B2	Biaxial core compression	20030819 623/23.11
US 6569200 B2	Plasticized soft tissue grafts, and methods of making and using same	20030527 623/13.11
US 6547794 B2	Method for fusing bone during endoscopy procedures	20030415 606/86
US 6544289 B2	Plasticized bone grafts, and methods of making and using same	20030408 623/23.61
US 6508641 B2	Method and apparatus for segmental bone replacement	20030121 623/23.12
US 6414320 B1	Composition analysis by scanning femtosecond laser ultraprobing (CASFLU).	20020702 250/425
US 6293970 B1	Plasticized bone and soft tissue grafts and methods of making and using same	20010925 623/23.61
US 6287310 B1	Fasteners having coordinated self-seeking conforming members and uses thereof	20010911 606/63
US 6283997 B1	Controlled architecture ceramic composites by stereolithography	20010904 623/16.11
US 6231528 B1	Ultrasonic and growth factor bone-therapy: apparatus and method	20010515 601/2
US 6213958 B1	Method and apparatus for the acoustic emission monitoring detection, localization, and classification	20010410 600/586

US 6203573 B1	Method of making biodegradable implant material and products made therefrom	20010320 623/16.11
US 6197065 B1	Method and apparatus for segmental bone replacement	20010306 623/23.17
US 6156068 A	Method of resurfacing a femoral condyle	20001205 623/18.11
US 6013853 A	Continuous release polymeric implant carrier	20000111 424/423
US 6007496 A	Syringe assembly for harvesting bone	19991228 600/565
US 5986169 A	Porous nickel-titanium alloy article	19991116 424/422
US 5882351 A	Fasteners having coordinated self-seeking conforming members and uses thereof	19990316 606/63
US 5876452 A	Biodegradable implant	19990302 623/23.72
US 5863297 A	Moldable, hand-shapable biodegradable implant material	19990126 623/17.18
US 5732469 A	Prosthesis and a method of making the same	19980331 29/896.6
US 5718590 A	Method for keyboard training	19980217 434/227
US 5626429 A	Keyboard arrangement to maximize one-handed typing speed and training for engineering an	19970506 400/487
US 5496372 A	Hard tissue prosthesis including porous thin metal sheets	19960305 623/23.54
US 5489306 A	Graduated porosity implant for fibro-osseous integration	19960206 623/23.55
US 5422376 A	Synthetic viscoelastic material for ophthalmic applications	19950606 514/781
US 5282861 A	Open cell tantalum structures for cancellous bone implants and cell and tissue receptors	19940201 623/23.51
US 5211661 A	Artificial living body composite material	19930518 623/23.56
US 5141510 A	Structure of artificial bone material for use in implantation	19920825 623/23.56
US 5098434 A	Porous coated bone screw	19920324 606/73
US 5052930 A	Dental implant and method of implantation	19911001 433/173
US 5002488 A	Dental implants with resorption preventing means	19910326 433/169
US 4959064 A	Dynamic tension bone screw	19900925 606/65
US 4947502 A	Method of making a dynamic tension bone screw	19900814 470/9
US 4815454 A	Apparatus and method for injecting bone cement	19890328 606/94
US 4722870 A	Metal-ceramic composite material useful for implant devices	19880202 428/621
US 4673407 A	Joint-replacement prosthetic device	19870616 623/20.33
US 4621100 A	Treatment of osteoporosis with prostaglandins	19861104 514/573
US 4491987 A	Method of orthopedic implantation and implant product	19850108 623/23.59
US 4462394 A	Intramedullary canal seal for cement pressurization	19840731 606/94
US 4309488 A	Implantable bone replacement materials based on calcium phosphate ceramic material in a r	19820105 428/547
US 4229841 A	Wrist prosthesis	19801028 623/21.12
US 3754338 A	SPINAL COLUMN SIMULATOR	19730828 434/274
WO 20060347 A2	MODELING VISCOELASTIC TORSIONAL PROPERTIES OF OSTEOONS	20020808 81
WO 200260347 A	Model of compact adult bone comprises viscoelastic properties of at least one type of second	20020812 44
US 6007496 A	Syringe assembly for harvesting bone	19991228
WO 9817199 A	Coated ophthalmic and implantable device(s) - have coating deposited by magnetron sputteri	19980430
DE 4222763 A	Implant for use as a stopper for bone marrow or in joint-replacement - comprises an elastic, v	19940113